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CULLN23.001APC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manners, et al.) Group Art Unit 1653
Appl. No. : 09/331,631)
Filed : June 21, 1999)
For : ANTIMICROBIAL PROTEINS)
Examiner : Robinson, H.)

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TECH CENTER 1600/2900

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed from the United States Patent and Trademark Office on March 14, 2001 (Paper No. 10), please amend the above-captioned patent application as follows:

IN THE CLAIMS

Please amend the following claims as follows:

C1
1. **(Thrice Amended)** A protein fragment having antimicrobial activity, wherein said protein fragment is a polypeptide comprising a cysteine spacing of C-3X-C-(10-12)X-C-3X-C (SEQ ID Nos: 37-39) wherein X is any amino acid residue other than cysteine, and C is cysteine.

C2 C3 C5
3. **(Twice Amended)** An isolated or purified protein having a sequence selected from SEQ ID NO: 1, SEQ ID NO: 3, or SEQ ID NO: 5.

C3
13. **(Thrice Amended)** A method of controlling microbial infestation of a plant by reducing the number of microbes, the method comprising treating said plant with an antimicrobial protein according to claim 1 in an amount effective to reduce the number of said microbes.

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